

## Purchase Order Receipt Listing

Friday, July 15, 2016 3:53:59 PM

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO32894 All Receipt Dates All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name											
PO32894 USD	1		VU-TWMM001	TW Metals							
	No		M304TR0.750W.049 f 304 RD Tube .750 x .049W ml35242	f	7/11/2016 60.0000	7/15/2016 PLOU01	60.0000		0.0000 0.0000	0 0	\$0.00
	2		M6061T6T0.500W.05 f 8	f	7/11/2016	7/15/2016	84.0000		0.0000	0	\$0.00
	No		6061-T6 RD Tube .500 x.058W ml35242	f	80.0000	PLOU01			0.0000	0	
	3		M6061T6T0.625W.12 f 5	f	7/11/2016	7/15/2016	24.0000		0.0000	0	\$0.00
	No		6061-T6 RD Tube 0.625 X.125W ml35242	f	24.0000	PLOU01			0.0000	0	
	4		M4130NT0.750W.08 f 3	f	7/11/2016	7/15/2016	19.5830		0.0000	0	\$0.00
	No		4130 RD Tube .750 x.083 W ml35242	f	24.0000	PLOU01			0.0000	0	
	5		71401-45		7/11/2016	7/15/2016	1.0000		0.0000	0	\$0.00
	No		procurement quality clauses ml35242		1.0000	PLOU01			0.0000	0	
Total Received Quantity:											188.5830
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$0.00
Total Balance Due Quantity:											0.0000



ORDER NO.: 60608367 FROM: CRAN PAGE 1

PACKING SLIP

SHIP TO: 47.075 REQ. DATE: 07/08/16 CONFIRMED

DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKSBURY ON  
ONTARIO CANADA  
CN K6A 1K7

SHIP BY: 07/05/16  
COMMON CARRIER  
PREPAID

RELEASE NO.:  
FREIGHT:  
RECEIVING PHONE:

CUST NUMBER: 1203820 NET WGT:  
SOLD TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKSBURY ON  
CANADA

SALESPERSON: DONNA SMALLEY  
NET 30 DAYS  
SHIPPING POINT  
F.O.B.:  
CUST ORD NO.: PO32894

LINE ITEM DESCRIPTION  
0001 36860 SMLS CD 304/L A269 3/4 OD X .049 WA  
CLN# ORD QTY INVOICE QTY SHIPPED QTY WT  
60.000 FT 60.000 FT 60.000 FT 22.003  
PCS 3

LENGTH  
20' CL

WIDTH

\*\* 1 TEST REPORTS REQUIRED \*\*  
ECCN: 2B999.9 HT: YX1503612  
PO: 49330967 HT: YX1503612  
MLT: CHINA  
Export License: NLR  
PC: 3  
CUSTOMER QTY: 60.000  
SLB/CL: 7-78  
Expiration Date: 0/00/00  
UOM FT

12 FT ML

CLN# ORD QTY INVOICE QTY SHIPPED QTY WT  
80.000 FT 84.000 FT 84.000 FT 7.953  
PCS 7

0002 42276 D6061-T6 1/2 OD X .058 WA

\*\* 1 TEST REPORTS REQUIRED \*\*  
ECCN: FAR99  
PO: 49338163 HT: 8480093D  
MLT: UNITED STATES  
Export License: NLR  
PC: 7  
CUSTOMER QTY: 84.000  
SLB/CL: 314330  
Expiration Date: 0/00/00  
UOM FT

12 FT ML

CLN# ORD QTY INVOICE QTY SHIPPED QTY WT  
24.000 FT 24.000 FT 24.000 FT 5.541  
PCS 2

0003 42588 D6061-T6 5/8 OD X .125 WA

\*\* 1 TEST REPORTS REQUIRED \*\*  
ECCN: FAR99  
PO: 49330211 HT: F001858850001  
MLT: UNITED STATES  
Export License: NLR  
PC: 2  
CUSTOMER QTY: 24.000  
SLB/CL: 218040  
Expiration Date: 0/00/00  
UOM FT

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE  
OF THESE PRODUCTS ARE SET FORTH ON THE  
REVERSE SIDE FOR YOUR CAREFUL REVIEW.

8016-7-15



PACKING SLIP

ORDER NO.: 60608367 FROM: CRAN PAGE 2

CUST NUMBER: 1203820 NET WGT: 47.075 REQ. DATE: 07/08/16 CONFIRMED

SOLD TO: DART AEROSPACE LTD

1270 ABERDEEN ST HAWKESBURY ON CANADA

SALESPERSON: DONNA SMALLEY SHIP BY: 07/05/16

TERMS: NET 30 DAYS VIA: COMMON CARRIER PREPAID

F.O.B.: SHIPPING POINT FREIGHT: RELEASE NO.: RECEIVING PHONE:

CUST ORD NO.: PO32894

LINE ITEM DESCRIPTION 0004 33096 SMLS CD 4130 6736 3/4 OD X .083 WA

CLIN# ORD QTY INVOICE QTY SHIPPED QTY WT PCS

24.000 FT 19.583 FT 19.583 FT 11.578

\*\* 1 TEST REPORTS REQUIRED \*\*

\*\* 1 CERTS REQUIRED \*\*

ECN: 9A991.d Export License: NLR

PO: 49316335 HT: 587359 MFG: GERMANY

MLT: GERMANY SLB/CL: 1600427

Expiration Date: 0/00/00 CUSTOMER QTY: 19.583 UOM FT

BROKERS KUEHNE AND NAGEL LTD

AREA TYPE OF PKG PKGS GRS WEIGHT WIDTH LENGTH HGHT

B CARTON 1.000 57.000 20.5000

B CARTON 1.000 57.000 12.5000

UNLOAD TYPE: NONE SPECIFIED

DATE SHIPPED

DATE FILLED

RT 000-

BY: ED

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE

OF THESE PRODUCTS ARE SET FORTH ON THE

REVERSE SIDE FOR YOUR CAREFUL REVIEW.

5-16-75

PUSA™

Producer of Premium Stainless Steel Seamless Tubes

# MILL TEST REPORT

Purchaser: TW METALS-Cranbury		Certificate No.: 15-8-138		Date of Issue: 2015.8.31	
Contract No.: TWM P.O.No.: M49330967		Specifications: ASTM A213-14/ASME SA213-13/ASTM A269-14 EAW			
Process: Cold Drawn					
Steel Grade	Heat Number	Lot Number	Dimensions	Quantity	
				Pieces	Feet
TP304/TP304L	YX1503-612	7-78	3/4" x 0.049" x 20'	350	7,000

Chemical Composition by Weight (%)									
Element	C	Min	P	S	Si	Cr	Ni	Mo	Co
Requirements	≤0.035	≤2.00	≤0.045	≤0.030	≤1.00	18.00-20.00	8.00-12.00	-	-
Ladle Analysis	0.012	0.63	0.033	0.002	0.33	18.20	8.05	-	-
Product Analysis	0.024	0.65	0.033	0.003	0.37	18.18	8.37	-	-

Test Item	Elongation (% in 2")	Tensile Strength (PSI)	Rm	Yield Strength (PSI)	Rp / 0.2%		Rp / 0.2%	
					≥30,000	≥36,000/37,000	≥30,000	93,000/94,000
Requirements	≥35			≥75,000				63/64
Test Results								93,000/94,000
Test Item	Reduction of Area	Hardness	Cold Bend	Flaring	Flattening	Flange	P.M.T. Test	Z (%)
Requirements	-	HRB≤80	-	22%	e=0.09	-	-	-
Test Results	-	76/78	-	Passed	Passed	-	OK	-
Test Item	Eddy Current Test	Air Underwater Pressure Test	Ultrasonic	Intergranular Corrosion Test	Macroscopic Inspection	Appearance	OK	Test Results
Requirements	Passed	-	-	-	-	-	-	-
Test Results	Passed	-	-	-	-	-	-	-

ISO 9001:2008 Certified by Intertek 110703068 PED Certified by SZUTEST 2195-PED-1221604

CANNOT CERTIFY COMPLIANCE FAR BAA / DFARS BAA / FAR TAA

DAS 14 9-89 16/07/20

- Additional Remarks:
- (1) All tubes annealed to above 1900 Deg F and water quenched below 800 Deg F in 3 minutes
  - (2) All tubes tested per ASTM A1016-14
  - (3) Materials is NACE MR0103-2007 compliant (per Section 2.5)
  - (4) Materials is NACE MR0175/ISO 15156-2003 compliant (per Section 4.2.1)
  - (5) In Compliance with EN 10204-3.1
  - (6) In Compliance with RoHS Stipulation
  - (7) No weld repair performed
  - (8) Free from mercury contamination
  - (9) Free from radioactive contamination
  - (10) Billets melt and pipes/tubes manufactured in China
  - (11) All tubes 100% PMI tested
  - (12) All tubes 100% Eddy Current tested



By: James Shi / Manager  
Quality Control Department

Shanghai Pufa Stainless Steel Pipe Factory  
No. 59, Shuangye Road, Wanggang, New Pudong District, Shanghai, China

ACCEPTED BY  
OCT 21 2015  
TW METALS  
0-130-0014



PRECISION TUBE CO.  
287 WISSAHICKON AVE.  
NORTH WALES PA 19454

A COMPANY OF MUELLER INDUSTRIES

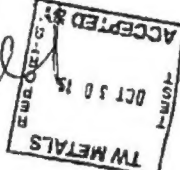
CERTIFIED TEST REPORT

CUSTOMER PURCHASE ORDER NO.	49338163 LINE 001
CUST. ORD. NO.	314330
PRECISION TUBE P/N	24A05000580003

SOLD TO TW METALS 235 TUBEWAY CAROL STREAM, IL 60188 UNITED STATES	SHIP TO TW METALS 235 TUBEWAY CAROL STREAM, IL 60188 UNITED STATES
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QUANTITY ORD.	DESCRIPTION	QTY. SHIPPED	DATE SHIPPED
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3168 FT	METAL - 6061 ALUM	TEMPER - T6	SPEC - AMS 4082P	AMS-WW-T-700/6F AM 2	LENGTH - 12 FT	LGTH TOL +.1250 IN -.0000 IN	SHAPE - ROUND	FINISH - STRAIGHT EXACT LENGTHS	OD .5000 +.0030 -.0030	ID .0580 +.0040 -.0040
3168 FT	METAL - 6061 ALUM	TEMPER - T6	SPEC - AMS 4082P	AMS-WW-T-700/6F AM 2	LENGTH - 12 FT	LGTH TOL +.1250 IN -.0000 IN	SHAPE - ROUND	FINISH - STRAIGHT EXACT LENGTHS	OD .5000 +.0030 -.0030	ID .0580 +.0040 -.0040



SAMPLE #	1	TENSILE STRENGTH (P.S.I.)	47,196	YIELD STRENGTH (P.S.I.)	41,520	ELONGATION IN 2 INCHES (%)	18	ROCKWELL HARDNESS	AVERAGE GRAIN SIZE (MM.)
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DESTRUCTIVE TESTS									
Comments: FAR BAA COMPLIES, DEARS BAA COMPLIES, FAR TAA COMPLIES									
NON-DESTRUCTIVE TESTS									
EDDY CURRENT: PASS									

CHEMICAL COMPOSITION									
ALLOY:	6061	HEAT:	TRACEABILITY #:	34800931	RAW MATL. VENDOR:	PT54356	Kaiser Aluminum		
Min	0.40	Si	Fe	Cu	Mn	Mg	Cr	Zn	Al
Max	0.80	0.70	0.40	0.15	0.80	1.20	0.04	0.25	Rem.
OTHER ELEMENTS: 0.05 MAX EACH / 0.15 MAX TOTAL									

We hereby certify that the material has been manufactured and tested in accordance with the requirements of the applicable specifications and descriptions set forth on Precision Tube's sales acknowledgment. During the manufacturing, testing, and inspection, the product did not come into direct contact with mercury or any of its compounds, nor with any mercury containing device employing a single boundary containment. Test results indicate that the material is compliant with the current revision of the RoHS Directive (2011/65/EU).

Manufactured in the USA  
QMS Registered to ISO 9001: 2008

By:   
Art Onalitis  
QA Manager

CERTIFIED TEST REPORT

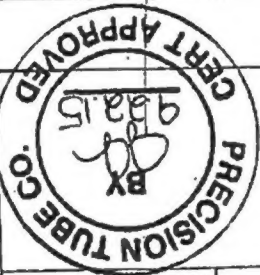
http://Online.KaiserAluminum.com

Best in Class

KAISER  
ALUMINUM  
FABRICATED PRODUCTS

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
2426 STEVENS DRIVE  
RICHLAND, WA 99352

CUSTOMER PO NUMBER: PT54356		CUSTOMER PART NUMBER: SPIRIT-371850		PRODUCT DESCRIPTION: 5.400 LB/PC .500 LB/-0 LB 1.312 OD X .085 WALL ESRT	
KAISER ORDER NUMBER: 319276	LINE ITEM: 001	SHIP DATE: 09/18/2015	KAISER LOT NUMBER: 50751-305	ALLOY: 6061	TEMPER: O
WEIGHT SHIPPED: 15557.000 LB	QUANTITY: 2834.000 PCS	B/L NUMBER: 004845	DIA//DAF//HKNS:	WIDTH:	LENGTH: 13.984 FT
SHIP TO: PRECISION TUBE CO 287 WISSAHICKON AVENUE N. WALES, PA 19454 USA					
MUELLER INDUSTRIES, INC PRECISION TUBE 8285 TOURNAMENT DRIVE STE. 150 MEMPHIS, TN 38125 USA					



Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS(KSI)	YTS(KSI)	%ELONG IN 2	HARDNESS	CONDUCT	BEND
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50751-305	0001	0001	18.4	7.2	27.1	N/A	N/A	N/A
50751-305	0001	0002	17.2	5.6	26.3	N/A	N/A	N/A
50751-305	0001	0003	17.7	6.0	27.5	N/A	N/A	N/A
50751-305	0001	0004	18.3	6.2	26.8	N/A	N/A	N/A
50751-305	0001	0005	18.6	6.4	26.6	N/A	N/A	N/A
50751-305	0001	0006	19.0	6.5	26.7	N/A	N/A	N/A
50751-305	0001	0007	18.0	6.8	27.5	N/A	N/A	N/A
50751-305	0001	0008	18.5	6.5	28.4	N/A	N/A	N/A
50751-305	0001	0009	18.4	6.1	27.2	N/A	N/A	N/A
50751-305	0001	0010	18.6	6.6	27.8	N/A	N/A	N/A
50751-305	0001	0011	18.4	6.7	25.9	N/A	N/A	N/A
50751-305	0001	0012	18.8	4.5	27.5	N/A	N/A	N/A
50751-305	0001	0014	16.9	5.0	28.0	N/A	N/A	N/A
50751-305	0001	0015	19.1	6.7	27.5	N/A	N/A	N/A
50751-305	0001	0016	18.1	7.2	27.2	N/A	N/A	N/A
50751-305	0001	0013	17.8	5.8	26.5	N/A	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	.0
F75051	.61	.30	.23	.06	.95	.10	.04	.03	.00	.00	.00	.01	.02
F75052	.59	.28	.20	.05	.99	.08	.03	.02	.00	.00	.00	.01	.02
F82108	.60	.34	.24	.05	.97	.08	.06	.03	.00	.00	.00	.01	.02
F75054	.60	.30	.19	.06	.94	.08	.04	.03	.00	.00	.00	.01	.02
F75056	.58	.32	.21	.05	.96	.09	.04	.03	.00	.00	.00	.01	.02

Applicable Requirements:





**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**



**CERTIFIED TEST REPORT**  
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
2425 STEVENS DRIVE  
RICHLAND, WA 99352

ASTM-B241-12 NON-STENCILED ASTM-B221-13 ASTM-B345-11 AMS-QQ-A-200/8 97(R07) TYPE I  
UNS#A96061 Also conforms to EN 10204 3.1

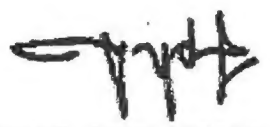
**Miscellaneous Notes**

MANUFACTURED IN USA MELTED IN USA  
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY  
OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been  
inspected and tested and found in conformance with applicable specifications forming a part of the  
description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on  
Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

JOSEPH AMES, QUALITY MANAGER



*Best in Class*

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
6573 W. WILLIS ROAD  
CHANDLER, AZ 85226

CUSTOMER PO NUMBER: M49330211-1		CUSTOMER PART NUMBER: 42588		PRODUCT DESCRIPTION: Seamless Tube/Pipe	
KAISER ORDER NUMBER: LINE ITEM: 001		SHIP DATE: 04/13/2015		KAISER LOT NUMBER: F00185885	
218040		QUANTITY: 132,000 PCS		DIA/DIAF/THKNS: 6061	
WEIGHT SHIPPED: 366,000 LB		B/L NUMBER: 218440		WIDTH: 12.000 FT	
SHIP TO: TW METALS INC 27 ENGLEHARD DRIVE EXIT 8A OFF NJ TPK MONROE TWP, NJ 08831 USA		SOLD TO: TW METALS INC 760 CONSTITUTION DRIVE SUITE 204 EXTON, PA 19341 USA		LENGTH: 12.000 FT	
TEMPER: T6		ALLOY: 6061		TEMPER: T6	

### Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CON%IACS	BEND
F00185885	0001	1	45.9	44.0	16.0	N/A	N/A	N/A
				DAS 14	9-89			
					16/07/20			

### Chemical Composition (wt%), Aluminum Remainder

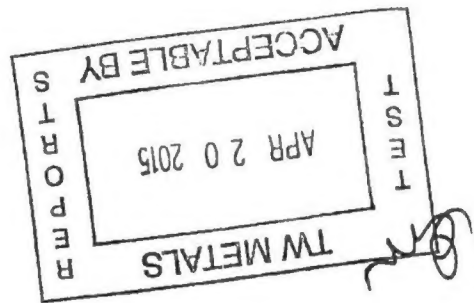
LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Al	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
D39623	.57	.26	.22	.04	1.01	.06	.01	.02	.00	.00	.00	.01	.02

### Applicable Requirements:

Description: OD: 0.6250", Wall: 0.1250", Round @  
AMS-4082P AMS-WW-T-700/6B ASTM B210-12 WW-T-700/6F  
WE TAKE EXCEPTION TO PARA. 5.2.1., Per AMS-4082P, WAS NOT OILED.  
This Product Complies to FAR BAA, DEARS BAA, FAR TAA  
COMPLIES TO DIN EN 10204 JAN 2005  
No Weld Repair. Mercury Free.

### Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA  
MATERIAL COMPLIES WITH FAR BAA (FAR 52.225-1, BUY AMERICAN ACT- SUPPLIES), DEARS BAA  
(DEARS 252.225-7001 BUY AMERICAN ACT & BAL OF PAYMENTS PROG), AND FAR TAA (FAR 52.225-5  
TRADE AGREEMENTS).





**KAISER**  
**ALUMINUM**  
**FABRICATED PRODUCTS**

*Best in Class*

KAISER ALUMINUM  
FABRICATED PRODUCTS, LLC  
6573 W. WILLIS ROAD  
CHANDLER, AZ 85226

**CERTIFICATION**

Kaiser Aluminum Fabricated Products, LLC ('Kaiser') hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms & conditions of sale. Test reports are on file subject to examination.

Linda Adkins, Quality Manager

*Linda Adkins*

**CERTIFIED TEST REPORT**  
<http://Online.KaiserAluminum.com>

Plant Serial: 00019096  
Kaiser Order Number: 218040  
Line Item: 001

Benteler Steel/Tube GmbH  
Postfach 13 40  
33043 Paderborn  
Deutschland  
Tel.: +49.5254.81-0 Fax: +49.5254.13666

**BENTELER**  
Steel/Tube

**ABNAHMEPRÜFZEUGNIS EN 10204-3.1**  
INSPECTION CERTIFICATE EN 10204-3.1  
CERTIFICAT DE RECEPTION EN 10204-3.1  
EN 10204:2005-01

Benteler Steel/Tube GmbH - Postfach 1340 - 33043 Paderborn - Deutschland

TW Metals  
The Aporatum, Suite 204  
760 Constitution Drive  
EXTON PA 19341  
USA

Lieferbedingungen:

Terms of delivery:

Conditions de livraison:

Maße - Toleranzen:

Dimensions-tolérances:

Dimensions-tolérances:

Stahlsorte:

Steel grade:

Nuance d'acier:

Lieferzustand:

Delivery condition:

État de livraison:

Produktkennzeichnung:

Product marking:

Marquage du produit:

Dokument-Nr.:

41-832030/002/P

Document No.:

41-832030/002/P

No. du document:

41-832030/002/P

Kunden Bestell-Nr.:

46002429 TW M49316335

Purchase Order No.:

46002429 TW M49316335

No. de commande du client:

46002429 TW M49316335

Benteler Auftrags-Nr.:

1600427

Benteler Order No.:

1600427

No. de commande Benteler:

1600427

Versandanzeigen-Nr.:

4188698

Dispatch Note No.:

4188698

No. d'avis d'expédition:

4188698

Produkt:

NAHTLOSE STAHLROHRE

Product:

SEAMLESS STEEL TUBES

Produit:

TUBES D'ACIER SANS SOUDURE

Prüf-Nr.:

Inspection No.:

No. du certificat:

Inspection No.:

Manufacturer:

Warmrohrwerk/Zieherlei

Producteur:

JOHN EN ISO 9001, ISO/TS-18949 CERTIFIED BY TÜV NORD CERT

Hersteller:

Manufacturer's brand:

Marque du producteur:

Stampel des Abnahmebeauftragten: WA

Stempel der Inspektion repräsentative:

Poinçon du contrôleur:

Stahlschmelzungsverfahren:

ELEKTROSTAHL

Steelmaking process:

ELECTRIC FURNACE

Procédé d'élaboration de l'acier:

FOUR ELECTRIQUE

AMS 2253E-83, Aircraft Type, Seamless, Cold Finished

GRADE 4130, AMS 6360M and AMS 6371K

AMS 6360M and AMS 6371K

N

FSD: BENTELER AMS-T-6736 B 1-MIL-T-6736 B 1-4130 N HEAT-NO. CD AQ S DIMENSIONS WA

GERMANY

TW METALS

DEC 09 2004

ACCEPTED BY

AEZ = Ätztrichterbeschriftung, Etching ink marking, Gravier à l'acide - FK = Farbstrichbeschriftung, colour marking, marquage par couleur - FS = Farbstichbeschriftung, point stencilling, marquage par peinture - FSD = Farbstichdruck, Colour jet printer, imprimante à jet d'encre de couleur - LK = Laserkennzeichnung, Laser marking, Marquage laser - PKE = Etikettenkennzeichnung, tag marking, marquage sur étiquette - PS = Prägestempel, die stamp, marquage par poinçonnage - TS = Trennstrichkennzeichnung, ink jet spray marking, imprimante à jet d'encre

Benteler Steel/Tube GmbH  
Postfach 13 40  
33043 Paderborn  
Deutschland  
Tel.: +49.5254.81-0 Fax: +49.5254.13666

**BENTELER**  
Steel/Tube

**ABNAHMEPRÜFZEUGNIS EN 10204-3.1**  
INSPECTION CERTIFICATE EN 10204-3.1  
CERTIFICAT DE RECEPTION EN 10204-3.1

Dokument-Nr.:  
Document No.:  
No. du document:

41-832030/002/P

Prüf-Nr.:  
Inspection No.:  
No. du certificat:

Blatt: 2 / 4  
Page:  
Page:

Pos.	Stück	Maße	Länge	Gewicht	Schmelzen-Nr.	Prüfdruck	Rohr-Nr.-Gruppe	Vierfachlängen
Item	Number	Dimensions	Length	Weight	Heat No.	Test pressure	Tube number group	Multiple lengths
Poste	Nombre	Dimensions	Longueur	Poids	No. de coulée	Pression d'épreuve	Série de no. des tubes	Longueurs multiples
0016	221	0.750" O.D. * 0.083" WT 17 FT - 24 FT	4335,89	2531	587359			

**Schmelzenanalyse [%] / Heat analysis [%] / Analyse sur coulée [%]**

Pos.	Schmelzen-Nr.	C	SI	MN	P	S	CR	MO	NI	CU
Item	Heat No.									
Poste	No. de coulée									
0016	587359	0,320	0,260	0,56	0,006	0,001	0,88	0,17	0,13	0,13

**Produktanalyse [%] / Product analysis [%] / Analyse sur produit [%]**

Pos.	Schmelzen-Nr.	C	SI	MN	P	S	CR	MO	NI	CU
Item	Heat No.									
Poste	No. de coulée									
0016	587359	0,310	0,280	0,56	0,006	0,001	0,87	0,16	0,12	0,12

**Prüfergebnisse / Test results / Résultats des essais**

Die Rohre wurden zerstörungsfrei geprüft:

PASSED

The tubes are non destructive tested:

ET-test: acc. to ASTM-A 450; ET - Test method: acc. to ASTM-E 309; for imperfections;  
ET-test: ET with rotating pancake coils; according to EN 10246-3; imperfections;  
Notch depth: 0,30 mm; notch width < = notch depth; notch length min. 2 x transducer width (max. 50 mm)

Les tubes ont passé un essai non destructif:

Augensichtkontrolle:

PASSED

PASSED

PASSED

Visual inspection:

Materialverwechslungsprüfung:

Maßkontrolle:

Examen visuel:

Material conformity test:

Dimensions examination:

**Ergebnisse der mechanischen Prüfung / Results of mechanical testing / Résultats des essais mécaniques**

Die Probenahme erfolgte an Vielfachlängen.

The sampling was carried out on multiple lengths.

L'échantillonnage était réalisé aux longueurs multiples.

TW METALS  
OCT 09 2014  
ACCEPTED BY S

Benteler Steel/Tube GmbH  
Postfach 13 40  
33043 Paderborn  
Deutschland  
Tel.: +49.5254.81-0 Fax: +49.5254.13666

**BENTELER**  
Steel/Tube

**ABNAHMEPRÜFZEUGNIS EN 10204-3.1**  
INSPECTION CERTIFICATE EN 10204-3.1  
CERTIFICAT DE RECEPTION EN 10204-3.1

Dokument-Nr.: 41-832030/002/P  
Document No.:  
No. du document:

Prüf-Nr.:  
Inspection No.:  
No. du certificat:

Blatt: 3 / 4  
Page:  
Page:

Zugversuch längs Vollprobe / Tensile test longitudinal Full section test specimen / Essai de traction longitudinale Eprouvette a section complete

Pos.	Proben-Nr.	Schmelzen-Nr.	Probenabmessung	Streckgrenze	Zugfestigkeit	Dehnung	Einschnürung
Item	Specimen No.	Heat No.	Specimen dimensions	Yield strength	Tensile strength	Elongation	Area reduction
Poste	No. de l'éprouvette	No. de coulée	Dimensions de l'éprouv.	Limite élastique	Résistance à la traction	Allongement	Coefficient de striction
Anforderungen				Rp 0,2 %	Rm	A2"	1. Formel
Requérments				mm	PSI	%	1. Formula
Exigences				MIN 75000	MIN 95000	MIN 12.00	1. Formule
0016	000001	587359	19,05 X 2,10	101817	120381	20,00	TYP METALS R E P O S E D OCT 09 2014 ACCEPTED BY S
0016	000002	587359	19,05 X 2,10	104427	120817	20,00	
0016	000003	587359	19,05 X 2,10	105152	119801	20,00	
0016	000004	587359	19,05 X 2,10	103267	121687	20,00	
0016	000005	587359	19,05 X 2,10	104572	120962	20,00	
Randentkohlung / Surface decarburization / Décarburation superficielle							
Pos. / Item / Poste: 0016							
acc. MIL-T-6736B / AMS-T-6736B, decarburization outside max. 0.356 mm, decarburization outside + inside max. 0.46 mm							

Vermerk / Remark / Remarque

Pos. / Item / Poste: 0016

Certificate remarks: The steel grade corresponds to MIL-T-6736B, AMS 6360M and AMS 6371K, material free from mercury contamination, FAR BAA: 52.225-1 CANNOT COMPLY, DFARS BAA: 252.225-7001 CAN COMPLY, FAR TAA: 52.225-5 CAN COMPLY, No weld repair has been carried out, Country of origin of the material and heat: Germany; see appendix page 1 of 1

Pos. / Item / Poste: 0016

Macroscopic examination: acc. to ASTM-E 381

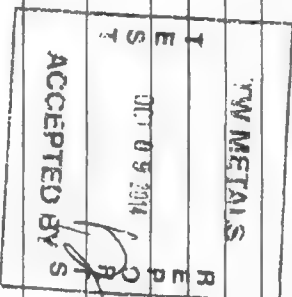
Pos. / Item / Poste: 0016

Magnetic particle Inspec.: acc. to AMS 2301 G/2640, on prematerial

Pos. / Item / Poste: 0016

Grain size: acc. to ASTM-E 112; Grain size and finer: 5; Grain size: Longitudinal structure micrography, On prematerial

Verkäufer(in) / Sales personnel / Personne chargée : Mr Schwarz, Tel.: 05254 81-20431, Fax: 204388



Benteler Steel/Tube GmbH  
Postfach 13 40  
33043 Paderborn  
Deutschland  
Tel.: +49.5254.81-0 Fax: +49.5254.13666

**BENTELER**   
Steel/Tube

**ABNAHMEPRÜFZEUGNIS EN 10204-3.1**  
INSPECTION CERTIFICATE EN 10204-3.1  
CERTIFICAT DE RECEPTION EN 10204-3.1

Dokument-Nr.:  
Document No.:  
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41-832030/002/P

Prüf-Nr.:  
Inspection No.:  
No. du certificat:

Blatt: 4 / 4  
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Page:

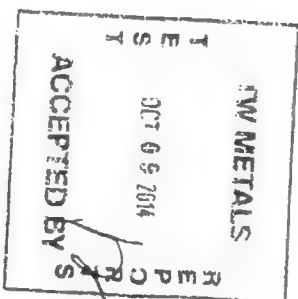
Paderborn Schloß Neuhaus, 14.09.2014, TEL.: 05254.81-201767 FAX: 05254.81-201752

Abnahmebeauftragter  
Inspection representative

Controleur

THOMAS GOLLAN / TEM

Es wird bestätigt, daß die gelieferten Erzeugnisse den techn. Lieferbedingungen des Auftrages entsprechen. Dieses Dokument wurde mittels EDV erstellt und ist ohne Unterschrift rechtsgültig.  
We certify that the supplied products comply with the order specification. This document was prepared by means of electronic data processing and is valid without signature.  
Nous attestons que les produits livrés sont conformes aux stipulations de la commande. Ce document a été établi par traitement électronique de l'information et est valide sans signature.



Benteler Steel/Tube GmbH  
Residenzstraße 1  
33104 Paderborn  
Germany  
Tel.: 49 5254 81-0 Fax: 49 5254 13666

**BENTELER**  
Steel/Tube

Abnahmeprüfzeugnis EN 10204-3.1 / Anhang  
Inspection Certificate EN 10204.3.1 / appendix  
Certificat de réception EN 10204-3.1 / appendice

Dokument-Nr.  
Document No.:  
No. de document:

41-832030/002/P

Blatt: von  
Page: 1 of 1  
Page: de

Halbzeuguntersuchung: Stahlsorte 4130 / Semi finished product examination: grade 4130 / Produit semi-fini: nuance 4130

Schmelzen-Nr. Heat No. Coulée No.	Position Item Poste	Korngröße Grain size Grosseur de grain (ASTM-E 112)	Härbarkeit (min. Anforderungen) Tremabilité (exigence min.) (ASTM-A 255)		Magnetpulverprüfung Magnetic particle inspection Essai à la poudre magnétique (AMS 2301G / 2640J)		Makroätzung Macrostructure test Essai de macrostructure (ASTM-E 381)		
		min. 5	J(5/16") min. 35 HRC	J(8/16") min. 28 HRC	F max. 0,34	S max. 0,25	max. S 2	max. R 1	max. C 2
587359	016	10	41	31	0,029	0,020	S 2	R 1	C 2
Decarburization Depth		Outside 0,000 mm	Inside 0,030 mm						

TEST  
OCT 09 2014  
ACCEPTED BY  
RW METALS

A. A.  
BENTELER  
Steel/Tube GmbH

Der Stahl ist frei von Quecksilberverunreinigungen. / The steel is free of mercury contamination. / L'acier est libre des contaminations de mercure.

Paderborn Schloß Neuhaus, 14.09.2014  
Tel.: (0)5254 81-201760 Fax: (0)5254 81-201752

Abnahmebeauftragter  
Inspection representative  
Contrôleur

Thomas Gollan





ORDER NO.: 60608367 FROM: CRAN PAGE 3



PACKING SLIP

CUST NUMBER: 1203820 NET WGT: 47.075 REQ. DATE: 07/08/16 CONFIRMED  
SOLD TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON  
CANADA

SALESPERSON: DONNA SMALLEY  
TERMS: NET 30 DAYS  
F.O.B.: SHIPPING POINT  
CUST ORD NO.: PO32894  
VIA: COMMON CARRIER  
FREIGHT: PREPAID  
RELEASE NO.:  
RECEIVING PHONE:

SHIP BY: 07/05/16  
27 ENGLEHARD DRIVE  
MONROE TWP  
NJ 08831

SHIP TO: DART AEROSPACE LTD  
1270 ABERDEEN ST  
HAWKESBURY ON  
ONTARIO CANADA  
CN K6A 1K7

"TW Metals MSDS data is available on our web site at [www.twmetals.com](http://www.twmetals.com). MSDS data can be found under the Technical Resources Tab, Product Statistics & Data and the TW Metals MSDS's heading. If you do not have web site access you may telephone 610-458-1300 and we will mail or fax a copy of our current MSDS data to your location."

"CERTIFICATE OF CONFORMANCE"

"TW Metals certifies that the material supplied on this purchase order and contained in the heat/lot number referenced above has been manufactured, inspected, and tested in accordance with the material specification. These records are on file at TW Metals. Packaging material for shipments to Europe and China consists of manufactured wood products and complies with the European emergency measures for confiterous non-manufactured wood packing material"

Authorized Test Report Clerk *[Signature]* Date: 7/01/16

These commodities have been exported from the United States in accordance with the U.S. export control laws, export administrations regulations. Diversion contrary to U.S. law prohibited.

THANK YOU FOR THIS ORDER

TERMS AND CONDITIONS APPLICABLE TO THE SALE OF THESE PRODUCTS ARE SET FORTH ON THE REVERSE SIDE FOR YOUR CAREFUL REVIEW.



Invoice# 60608367  
 Cust. PO# P032894  
 Incoterms: SHIPPING POINT  
 Pmt. Terms: PREPAID  
 Ship Via: COMMON CARRIER  
 27 ENGLEHARD DRIVE  
 MONROE TWP  
 NJ 08831  
 Tel: 609-655-4120  
 FAX: 609-655-2603

COMMERCIAL INVOICE

Sold To: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA CN K6A 1K7 C		Contact: CHANTAL 16136321053		Freight Forwarder/Immediate Ship To:	
Invoice Date: 7/05/16		Ship Date: 7/01/16		Payment Terms: NET 30 DAYS	
Ship To/Final Destination:		DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7			

ITEM#/LINE#	DESCRIPTION	QUANTITY	UNIT	VALUE	CONTINUE
1	STAINLESS STEEL TUBE ROUND SMLS CD 304/L A269 3/4 OD X .049 WA PART NUMBER: ECCN: 2B999.g SCHEDULE B: 7304.11.0000 ALLOY TUBE ROUND SMLS W/OD < /=3" NET WGT: 22.003 LBS COUNTRY OF MFG: CHINA	60.000 FT	IN	\$ 2.1000 FT	126.00
2	ALUMINUM TUBE ROUND D6061-T6 1/2 OD X .058 WA PART NUMBER: ECCN: EAR99 SCHEDULE B: 7608.20.0030 ALUM PIPE/TUBE - SEAMLESS NET WGT: 7.953 LBS COUNTRY OF MFG: UNITED STATES	84.000 FT	IN	\$ 1.7500 FT	147.00
3	ALUMINUM TUBE ROUND D6061-T6 5/8 OD X .125 WA PART NUMBER: ECCN: EAR99 SCHEDULE B: 7608.20.0030 ALUM PIPE/TUBE - SEAMLESS NET WGT: 7.953 LBS COUNTRY OF MFG: UNITED STATES	24.000 FT	IN	\$ 5.1500 FT	123.60
EXPORT LICENSE NUMBER: NLR EXPIRATION DATE: 00/00/00					
SUBTOTAL 126.00					

TW METALS, INC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF  
 MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS  
 CONTAINED IN THE RECORDS OF TW METALS, INC.  
 THESE COMMODITIES HAVE BEEN EXPORTED FROM THE UNITED  
 STATES IN ACCORDANCE WITH THE U.S. EXPORT CONTROL  
 LAWS. EXPORT ADMINISTRATION REGULATIONS. DIVERSION  
 CONTRARY TO U.S. LAW PROHIBITED.



27 ENGLEHARD DRIVE  
MONROE TWP  
Tel: 609-655-4120  
FAX: 6096552603

Invoice# : 60608367  
Cust. PO# : P032894  
Incoterms : SHIPPING POINT  
Frt. Terms : PREPAID  
Ship Via : COMMON CARRIER

COMMERCIAL INVOICE

Sold To: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA		Contact: CHANTAL 16136321053	
Freight Forwarder/Intermediate Ship To:		Ship To/Final Destination:	
Invoice Date: 7/05/16		Payment Terms: NET 30 DAYS	
Ship Date: 7/01/16		DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7	

ITEM# / LINE#	DESCRIPTION	QUANTITY	UNIT VALUE
33096	PART NUMBER: ECGN: EAR99 SCHEDULE B:7608.20.0030 ALUM PIPE/TUBE - SEAMLESS NET WGT: 5.541 LBS COUNTRY OF MFG: UNITED STATES SMLS CD 4130 6736 3/4 OD X .083 WA	19.583 FT	\$ 3.8500 FT \$
4	ALLOY TUBE ROUND PART NUMBER: ECGN: 9A991.d SCHEDULE B:7304.51.0000 ALLOY TUBE ROUND SMLS W/OD < /=3" NET WGT: 11.578 LBS COUNTRY OF MFG: GERMANY QUANTITY AND TYPE OF BOXES: 1 CARTON	1.000 PC 0 IN	
	TOTAL WGT: 20.5000 X GROSS WGT: 57.000 LBS EXPORT LICENSE NUMBER: NLR EXPIRATION DATE: 00/00/00		
	TW METALS, INC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, INC. THESE COMMODITIES HAVE BEEN EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE U.S. EXPORT CONTROL LAWS. EXPORT ADMINISTRATION REGULATIONS, DIVERSION CONTRARY TO U.S. LAW PROHIBITED.		
	Page 2		
	SUBTOTAL		75.39
	CONTINUE		



Invoice# 60608367  
 Cust. PO# PO32894  
 Incoterms: SHIPPING POINT  
 Frt. Terms: PREPAID  
 Ship Via: COMMON CARRIER  
 27 ENGLEHARD DRIVE  
 MONROE TWP  
 NJ 08831  
 Tel: 609-655-4120  
 FAX: 6096552603

COMMERCIAL INVOICE

Sold To: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON CANADA CN K6A 1K7 C		Contact: CHANTAL 16136321053	
Freight Forwarder/Intermediate Ship To:		Ship To/Final Destination: DART AEROSPACE LTD 1270 ABERDEEN ST HAWKESBURY ON ONTARIO CANADA CN K6A 1K7	
Invoice Date: 7/05/16		Ship Date: 7/01/16	
Payment Terms: NET 30 DAYS		Ship To/Final Destination:	

ITEM#/LINE#	DESCRIPTION	QUANTITY	UNIT	VALUE	SUBTOTAL
1	CARTON	1			
	12.5000 X				
	TOTAL WGT: LBS				
	GROSS WGT: LBS				
EXPORT LICENSE NUMBER: NLR EXPIRATION DATE: 00/00/00					
TW METALS, INC CERTIFIES THAT THE COUNTRY OR COUNTRIES OF MANUFACTURE INDICATED ABOVE IS TRUE AND CORRECT AS CONTAINED IN THE RECORDS OF TW METALS, INC. THESE COMMODITIES HAVE BEEN EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE U.S. EXPORT CONTROL LAWS. EXPORT ADMINISTRATION REGULATIONS DIVERSION CONTRARY TO U.S. LAW PROHIBITED.					
Payable in US Dollars Sales Tax					
471.99 .00					



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO32894  
Purchase Order Date 6/30/2016  
PO Print Date 6/30/2016

Page Number 1 of 3

Order From :

VU-TWM001

Ship To : DART AEROSPACE LTD

TW METALS  
PO BOX 933014  
ALTANTA, GA 31193-3014  
US  
HAWKESBURY, ON K6A 1K7  
CANADA

E-MAILED

Contact Name  
Vendor Phone

585 768 5600

Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:

YRC COLLECT

FOB

FCA - (Free Carrier)

Buyer  
Customer POID  
Customer Tax #

10127-2607

Terms  
Currency

USD  
Net 30

JUN 30 2016

Line	Reference	Vendor Part Number	Description/ Mfg ID	Reg Date/ Taxable	CD	Reg Qty/ Unit of Measure	PO Unit Price	Extended Price
------	-----------	--------------------	------------------------	----------------------	----	--------------------------------	---------------	-------------------

1	M304TR0.750W.049	304 RD Tube .750 x .049W	7/11/2016	Yes	7/11/2016	60.00	\$2.10	\$126.00
MATERIAL: AISI 304/316 SA SEAMLESS ROUND TUBING AS PER ASTM A213 OR AMSE SA213 OR ASTM A269								
Line Comments								
Delivery Comments								

2	M6061T6T0.500W.058	6061-T6 RD Tube .500 x.058W	7/11/2016	Yes	7/11/2016	80.00	\$1.75	\$140.00
MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241								
Line Comments								
Delivery Comments								

Line Total: \$140.00

Line Total: \$126.00

Note:

6/30/2016



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

**PURCHASE ORDER**  
Purchase Order ID PO32894  
Purchase Order Date 6/30/2016  
PO Print Date 6/30/2016

Order From : VU-TW/M001  
TW METALS  
PO BOX 933014  
ALTANTA, GA 31193-3014  
US  
Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone 585 768 5600  
Buyer  
Customer POID  
Customer Tax # 10127-2607

Ship To Contact  
Ship To Phone  
Ship Via:  
Ship Acct:  
YRC COLLECT  
FOB  
Currency  
Terms  
Net 30  
USD  
FCA - (Free Carrier)

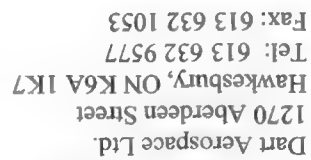
3	M6061T6T0.625W.125	6061-T6 RD Tube 0.625	7/11/2016	24.00	✓	\$5.15	\$123.60
MATERIAL: 6061-T6/T62/T6510/T6511 SEAMLESS TUBING AS PER WW-T-700/6 OR QQ-A-200/8 OR QQ-A-225/8 OR AMS 4080 OR AMS 4082 OR AMS 4083 OR ASTM B210 OR ASTM B241							
Yes 7/11/2016							
f							
Line Total:							

4	M4130NT0.750W.083	4130 RD Tube .750	7/11/2016	24.00	✓	\$3.85	\$92.40
MATERIAL: AISI 4130N SEAMLESS STEEL TUBING AS PER MIL-T-6736 OR AMS 6371/6360/6361 6362/6373/6374							
Yes 7/11/2016							
f							
Line Total:							

8016-7-15  
Jocua 19.583

Note:



Purchase Order Date 6/30/2016  
PO Print Date 6/30/2016

**\$482.00**

4

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Chantal Lavoie

**From:** Smalley, Donna <donna.smalley@twmetals.com>  
**Sent:** Tuesday, June 28, 2016 10:32 AM  
**To:** Chantal Lavoie  
**Subject:** RE: quote

See below

Donna Smalley  
Inside Account Manager  
TW Metals-Rochester, NY  
Phone 585-768-5600  
Fax 585-768-5601  
Direct 585-768-5604  
800-203-8000  
[www.twmetals.com](http://www.twmetals.com)

**From:** Chantal Lavoie [mailto:clavoie@dartaero.com]  
**Sent:** Tuesday, June 28, 2016 8:37 AM  
**To:** Smalley, Donna <donna.smalley@twmetals.com>  
**Subject:** quote

Good morning Donna,  
Please advise price and delivery on material.

304 round tubing 0.750" x .049" wall x 60 ft seamless \$2.10 ft

6061-t6 round tubing 0.500" x .058" wall x 80 ft seamless \$1.75 ft  
6061-t6 round tubing 0.625" x .125" wall x 24 ft seamless \$5.15 ft

4130n round tubing 0.750" x .083" wall x 24 ft \$3.85 ft

4130n round bar 0.375" x 12 ft do not have

Thanks  
Chantal

**Chantal Lavoie**  
*Purchasing Coordinator*

**DART AEROSPACE**  
T 1 613 632-5200  
F 1 613 632-1053  
E [clavoie@dartaero.com](mailto:clavoie@dartaero.com)  
1 800 556-4166  
[www.dartaerospace.com](http://www.dartaerospace.com)



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL #130 VTO.3000.083

DATE 16/07/20

MATERIAL CERT REC'D  
QUANTITY RECEIVED  
QUANTITY INSPECTED  
QUANTITY REMAINTED

499.6  
P.6

THICKNESS ORDERED 750X.083W  
THICKNESS RECEIVED 750X.081W  
SHEET SIZE ORDERED  
SHEET SIZE RECEIVED

PO / BATCH NO 32894/135242

DESCRIPTION	NCR	Check	Y/N	COMMENTS
SURFACE DAMAGE	Y	(X)	(N)	
CORRECT FINISH	Y	(X)	(N)	
CORROSION	Y	(X)	(N)	
CORRECT GRAIN DIRECTION	Y	(X)	(N)	
CORRECT MATERIAL	Y	(X)	(N)	
CORRECT THICKNESS	Y	(X)	(N)	
PHOTO REQUIRED	Y	(X)	(N)	
CORRECT MATERIAL	Y	(X)	(N)	
CORRECT REF # TO LINK CERT	Y	(X)	(N)	
CORRECT MATERIAL IDENTIFICATION	Y	(X)	(N)	
CORRECT # ON THE MATERIAL	Y	(X)	(N)	
DON'T THIS MATERIAL REQUIRE AN ENGINEERING SIGN OFF?	Y	(X)	(N)	
DON'T THIS REQUIRE AN EXTRUSION REPORT?	Y	(X)	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW	TYPE OF MATERIAL	HARDNESS / DUROMETER READING
		HRC	
		HRB	
		DUR A	
		DUR D	

Testers located in the Quality Office

**OC 18 INSPECTION**

INSPECTED BY DAS 14 9.85

DATE 16/07/20

SIGNED OFF BY \_\_\_\_\_

DATE \_\_\_\_\_

**ENGINEERING SIGNOFF (if required)**

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

IF QIRMS Quality Assurance Approved OAMRIF Material Receipt Inspection Form rev B

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 625X.1250 DATE: 16/07/20  
 QUANTITY RECEIVED: 424  
 QUANTITY INSPECTED: 241  
 QUANTITY REJECTED: 183  
 PO / BATCH NO: 32894/135242  
 THICKNESS ORDERED: 625X.1250  
 THICKNESS RECEIVED: 625X.1250  
 SHEET SIZE ORDERED: 1250  
 SHEET SIZE RECEIVED: 1250

DESCRIPTION	Y/N	Check	COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	Y	<input checked="" type="checkbox"/>	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	N	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	N	<input checked="" type="checkbox"/>	
CORRECT THICKNESS	N	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT MATERIAL	N	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	N	<input checked="" type="checkbox"/>	
CORRECT MATERIAL IDENTIFICATION	N	<input checked="" type="checkbox"/>	
CORRECT # ON THE MATERIAL	N	<input checked="" type="checkbox"/>	
DON'T THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="checkbox"/>	
DON'T THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK			
RECORD RESULTS BELOW	HRC	HRB	DUR A
TYPE OF MATERIAL			
SIZE OF TEST SAMPLE			
HARDNESS / DUROMETER READING			

Tests located in the Quality Office

**ENGINEERING SIGNOFF (if required)**  
 SIGNED OFF BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 INSPECTED BY: \_\_\_\_\_ DATE: 16/07/20  
 DAS 14 9:00

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML0116, 500X.058W DATE: 16/07/20  
 QUANTITY RECEIVED: 84  
 QUANTITY INSPECTED: 84  
 QUANTITY REJECTED: 0  
 THICKNESS ORDERED: 500X.058W  
 THICKNESS RECEIVED: 500X.055W  
 SHEET SIZE ORDERED: \_\_\_\_\_  
 SHEET SIZE RECEIVED: \_\_\_\_\_  
 PO / BATCH NO: 32894/135242

DESCRIPTION	NCR (Check Y/N)	Y	N
SURFACE DAMAGE	<input checked="" type="checkbox"/>		
CORRECT FINISH	<input checked="" type="checkbox"/>		
CORROSION	<input checked="" type="checkbox"/>		
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>		
CORRECT MATERIAL	<input checked="" type="checkbox"/>		
CORRECT THICKNESS	<input checked="" type="checkbox"/>		
PHOTO REQUIRED	<input checked="" type="checkbox"/>		
CORRECT MATERIAL	<input checked="" type="checkbox"/>		
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>		
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>		
CORRECT # ON THE MATERIAL	<input checked="" type="checkbox"/>		
DON'T THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>		
DON'T THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>		

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	
RECORD RESULTS BELOW	
HRC	
HRB	
DUR A	
DUR D	
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING Test(s) located in the Quality Office	

**QC 18 INSPECTION**  
 INSPECTED BY: 14 DATE: 16/07/20  
 SIGNED OFF BY: \_\_\_\_\_  
 ENGINEERING SIGNOFF (if required)

Attach this inspection sheet with the corresponding material cert and return to be scanned and received in

# MATERIAL RECEIPT INSPECTION FORM

PO: BATCH NO. 32894/135242  
 MATERIAL 16107120  
 MATERIAL CERT REC'D  
 QUANTITY RECEIVED  
 QUANTITY INSPECTED  
 QUANTITY REJECTED  
 THICKNESS ORDERED 750X.049W  
 THICKNESS RECEIVED 750X.049W  
 SHEET SIZE ORDERED  
 SHEET SIZE RECEIVED

DESCRIPTION	NCR	(Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	Y	(N)	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	Y	(N)	
CORRECT MATERIAL	Y	(N)	
CORRECT THICKNESS	Y	(N)	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	Y	(N)	
CORRECT REF # TO LINK CERT	Y	(N)	
CORRECT MATERIAL IDENTIFICATION	Y	(N)	
CORRECT M# ON THE MATERIAL	Y	(N)	
DON'T THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DON'T THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK	RECORD RESULTS BELOW
HRC	HRB
DUR A	DUR B
HARDNESS / DUROMETER READING	
TYPE OF MATERIAL	
SIZE OF TEST SAMPLE	
HARDNESS / DUROMETER READING	

**QC 18 INSPECTION**  
 INSPECTED BY: 14  
 DATE: 16/07/20  
 SIGNED OFF BY: 14  
 DATE: 16/07/20  
 ENGINEERING SIGNOFF (if required)  
 Attach this inspection sheet with the corresponding material cert and return to be scanned and received in